## What is claimed is:

1. A method for removing contaminates from ink jet printer components, comprising the steps of:

providing a Nd-YAG laser, the Nd-YAG laser capable of generating an output;

frequency multiplying the Nd-YAG laser output to generate various beams;

applying various beams of the frequency multiplied Nd-YAG laser output to the ink jet printer components to remove contaminates on the ink jet printer components.

- 2. A method as claimed in claim 1 wherein the step of frequency multiplying the Nd-YAG laser output comprises the step of approximately doubling the laser output to produce a green laser light.
- 3. A method as claimed in claim 1 wherein the step of frequency multiplying the Nd-YAG laser output comprises the step of approximately tripling the laser output to produce an ultraviolet laser light.
- 4. A method as claimed in claim 1 wherein the step of applying the frequency multiplied Nd-YAG laser output further comprises the step of applying a pulsed laser output.
- 5. A method as claimed in claim 1 wherein the step of applying the frequency multiplied Nd-YAG laser output further comprises the step of applying greater than 300 microjoules pulses to the ink jet components.

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- 6. A method as claimed in claim 1 wherein the step of applying the frequency multiplied Nd-YAG laser output further comprises the step of applying less than 3000 microjoules pulses to the ink jet components.
- 7. A method as claimed in claim 1 wherein the ink jet printer components comprises an orifice plate.
  - 8. A method as claimed in claim 1 wherein the ink jet printer components comprises a charge plate.
  - 9. An apparatus for removing contaminates from ink jet printer components, comprising:

a Nd-YAG laser, the Nd-YAG laser capable of generating an output;

means for frequency multiplying the Nd-YAG laser output; means for applying the frequency multiplied Nd-YAG laser output to the ink jet printer components to remove contaminates on the ink jet printer components.

- 10. An apparatus as claimed in claim 9 wherein the means for frequency multiplying the Nd-YAG laser output comprises means for approximately doubling the laser output to produce a green laser light.
- 11. An apparatus as claimed in claim 9 wherein the means for frequency multiplying the Nd-YAG laser output comprises means for approximately tripling the laser output to produce an ultraviolet laser light.
  - 12. An apparatus as claimed in claim 9 further comprising a microscope coupled thereto for viewing the ink jet printer components being cleaned.

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- 13. An apparatus as claimed in claim 9 further comprising a means coupled to the apparatus for inspecting the ink jet printer components to be cleaned.
- 14. An apparatus as claimed in claim 13 wherein laser cleaning is selectively applied to the ink jet components as determined by the inspection means.
- 15. An apparatus as claimed in claim 9 wherein the means for applying comprises optical fiber means for directing the Nd-YAG laser output.